

Comparisons of Job Characteristics

Focus Occupation: Telecommunications Line Installers and Repairers (49-9052)

Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: Telecommunications Line Installers and Repairers (49-9052)

Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Customer and Personal Service	11.3	16.9	13.8	<	Expanded education and/or training may be required
Mechanical	6.8	14.0	8.1	<<	Extensive education and/or training may be required
Building and Construction	4.0	12.6	5.9	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	10.9	8.1	<<	Extensive education and/or training may be required
Transportation	4.6	9.2	6.1	<<	Extensive education and/or training may be required
Design	5.2	8.0	6.8	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Telecommunications Line Installers and Repairers (49-9052)

Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Troubleshooting	4.5	10.5	9.8	0	Current skill level may be sufficient
Quality Control Analysis	5.9	10.1	7.7	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	9.8	9.3	0	Current skill level may be sufficient
Operation and Control	5.4	9.6	9.1	0	Current skill level may be sufficient
Repairing	3.4	9.6	7.1	<<	Extensive development of skills in this area may be required

Equipment Maintenance	3.5	7.9	8.3	0	Current skill level may be sufficient
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 90			
Focus Occupation: Telecommunications Line Installers and Repairers (49-9052) Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Multilimb Coordination	6.0	12.2	10.6	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.1	10.3	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.8	10.1	0	Current ability level may be sufficient
Static Strength	5.0	10.3	8.8	<	Some improvement in abilities may be required
Reaction Time	4.8	9.7	6.1	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	9.5	11.1	>	Current ability level is likely sufficient
Gross Body Equilibrium	3.2	8.4	6.9	<	Some improvement in abilities may be required
Gross Body Coordination	3.9	7.9	6.2	<	Some improvement in abilities may be required
Rate Control	3.8	7.9	5.1	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	5.5	4.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 100
Focus Occupation: Telecommunications Line Installers and Repairers (49-9052) Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)		
Work Activities	Exclusivity of Activity	
Apply cleaning solvents	41	
Climb ladders, scaffolding, or utility or telephone poles	56	
Distinguish colors	44	
Erect power or communication poles or towers	95	
Install electrical conduit or tubing	81	
Install power or communication lines, lead-in lines or cables	99	
Install/string electrical or electronic cable or wiring	76	
Move or fit heavy objects	8	
Read blueprints	10	

Read schematics	34
Read tape measure	41
Read technical drawings	7
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Repair power or communication lines	99
Splice electric cable	85
Splice electric or communications trunk lines	92
Test electrical/electronic wiring, equipment, systems or fixtures	54
Use electrical line repair equipment	99
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use measuring devices in construction or extraction work	41
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 83

Focus Occupation: Telecommunications Line Installers and Repairers (49-9052)
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Tools and Technologies	Exclusivity
Aerial lifts	13
Business function specific software	1
Computers	1
Cutting and crimping and punching tools	3
Earth moving machinery	11
Electrical cable and accessories	47
Electrical hardware and supplies	47
Electrical measuring and testing equipment	7
Electronic and communication measuring and testing instruments	14
Forming tools	2
Holding and clamping tools	3
Indicating and recording instruments	2
Ladders and scaffolding	6
Light and wave generating and measuring equipment	4
Machine tools	7
Measuring and layout tools	3
Personal communication devices	2
Power tools	2
Product and material transport vehicles	13
Pulling tools	31
Soldering and brazing and welding machinery and supplies	6
Tool attachments and accessories	12

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.